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21186 7590 05/09/2005

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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 MINNEAPOLIS, MN 55402-0938

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Michaela R Lewellyn

(Depositor's name)

Michaela R Lewellyn

(Signature)

August 9, 2005

(Date)

08/12/2005 MBELETE2 00000123 10643739

01 FC:1501 1400.00 OP
 02 FC:8001 30.00 OP

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,739	08/18/2003	Stephan Kurt Gipp	1367.728US1	4105

TITLE OF INVENTION: REPLICATING KERNEL DATA THAT IS READ MOSTLY AND WRITE RARELY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	08/09/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
FAROOQ, MOHAMMAD O	2182	710-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 Schwegman, Lundberg,
 2 Woessner & Kluth, P.A.
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Cray, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seattle, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 10

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- ☒ A check in the amount of the fee(s) is enclosed.
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Thomas F. Brennan

Date

August 9, 2005

Typed or printed name Thomas F. Brennan

Registration No. 35,075

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephan Kurt Gipp et al.

Title: REPLICATING KERNEL DATA THAT IS READ MOSTLY AND WRITE RARELY

Docket No.: 1376.728US1

Filed: August 18, 2003

Examiner: Mohammad O. Farooq

Customer No.: 21186

Serial No.: 10/643,739

Due Date: August 9, 2005

Group Art Unit: 2182

Confirmation No.: 4105

Commissioner for Patents

Attn: MAIL STOP ISSUE FEE

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Alexandria, VA 22313-1450

Notice of Allowance Date:

May 9, 2005

We are transmitting herewith the attached:

☒ A check in the amount \$ 1400.00 to cover the Large Entity Issue Fee Payment.

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☒ Issue Fee Transmittal (Form PTOL-85).

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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number: 21186

By

Thomas F. Brennan

Thomas F. Brennan

Reg. No. 35,075

TFB:CMG:mrl

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Attn – MAIL STOP ISSUE FEE, P.O. Box 1450, Alexandria, VA 22313-1450, on this 9 day of August, 2005.

Michaela R. Lewellyn
Name

Michaela R. Lewellyn
Signature